

In the Claims:

Please amend claims 1 and 9 by writing them in independent form as indicated below:

1. (currently amended) In a gearbox containing gearing and having a low section having a bottom wall, a rotatable drive shaft extending through said bottom wall and being coupled to said gearing, and a seal located for preventing oil from leaking along an interface including a surface section of the shaft where it enters said bottom wall of the gearbox, the improvement comprising: a contaminant collector having magnetic characteristics being mounted in said gearbox for rotation with said shaft in a location closely adjacent a top surface of said seal so as to intercept and collect ferric contaminants before they engage the seal.

2. (cancelled)

3. (original) The gearbox as defined in claim 2 wherein said contaminant collector includes a ring press fit onto said shaft.

4. (original) The gearbox defined in claim 3 wherein said magnetic characteristic is achieved by there being at least one magnetic component fixed as an integral part to an upper surface of said ring.

5. (original) The gearbox defined in claim 4 wherein said ring is shaped so as to define an upwardly opening, annular channel; and said at least one magnetic component being a magnet located in said channel.

6. (original) The gearbox defined in claim 5 wherein said channel is provided with at least one hole permitting oil to pass to said seal for cooling it.

7. (original) The gearbox defined in claim 3 wherein said ring is shaped so as to define an upwardly opening, annular channel; and said magnetic characteristic being due to a plurality of magnets fixed in said channel at spaced locations.

8. (original) The gearbox defined in claim 7 wherein a hole is provided between adjacent pairs of said magnets so as to permit oil to pass to said seal for cooling it.

9. (currently amended) In a sugar cane base cutter assembly including a gearbox provided with an upper, horizontal section extending between and joining a pair of depending wells, each well having a bottom wall, an upper drive shaft section of a base cutter leg being rotatably mounted in each bottom wall, and a seal being located on each shaft section at an associated bottom wall for preventing leakage of

oil from said gearbox along the shaft section, the improvement comprising: a contaminant collector having a magnetic characteristic being mounted for rotation with an associated one of said shaft sections at a location above and closely adjacent each seal so as to intercept ferric contaminants settling towards the associated seal.

10. (cancelled)

11. (currently amended) The base cutter assembly defined in claim 40 9 wherein said contaminant collectors each include a ring press fit onto said associated one of the shaft sections.

12. The base cutter assembly defined in claim 11 wherein said magnetic characteristic of each contaminant collector is achieved by at least one magnet being fixed to each ring.

13. The base cutter assembly defined in claim 11 wherein each ring is formed so as to define an upwardly opening, annular channel; and said at least one magnet being located in said channel.

14. The base cutter assembly defined in claim 13 wherein at least one hole is provided in each ring to permit passage of oil from said channel to the associated seal to cool the seal.

15. The base cutter assembly defined in claim 11 wherein each ring is formed so as to define and upwardly opening, annular channel; and said magnetic characteristic of each contaminant collector being achieved by a plurality of magnets being fixed to the associated ring in spaced relationship to each other in said channel.

16. The base cutter assembly defined in claim 15 wherein a hole is provided in each of said rings between adjacent pairs of said plurality of magnets so as to permit oil to pass for cooling the seal.

Remarks/Arguments

Reconsideration of this application, as amended, is respectfully requested.

Paragraphs [0018] and [0020] have been amended to correct reference numeral and typographical errors.

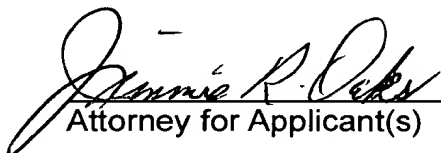
Claims 1, 2-9 and 11-5 are pending in this application.

The Examiner indicated that claims 2-8 and 10-16 contain allowable subject matter and would be allowable if rewritten in independent form including all of the limitations of the base and any intervening claims. Claim 1 has been amended to incorporate the subject matter of claim 2 (now cancelled), and claim 9 has been rewritten to incorporate the subject matter of claim 10, now cancelled. Claim 11, previously depending from claim 9 (now cancelled) has been amended to depend from claim 10.

In conclusion, it is believed that this application is in condition for allowance, and such allowance is respectfully requested.

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Respectfully,

  
Attorney for Applicant(s)

Jimmie R. Oaks  
Reg. No. 24,987  
Patent Department  
Deere & Company  
One John Deere Place  
Moline, IL 61265  
Telephone No. (309) 765-4392

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